

ABSTRACT OF THE DISCLOSURE

A direct expansion refrigerant-based heating and cooling system which includes a refrigerant pumping devise calibrated to ease or eliminate the pumping requirements placed upon the system's compressor unit when one or both of significant system height differentials between the compressor unit and the condensing unit are present and significant system refrigerant fluid transport line distances are present, or are desirable, such as in a deep well direct expansion system application.

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